

Novel Techniques used in MAX II, M. ERIKSSON,
MAX-lab - A new third generation VUV synchrotron radiation ring called MAX II has just been constructed and commissioned. The boundary conditions regarding economy, space and manpower have been rather tight so some novel techniques have been used in the design and construction of the ring to keep a high performance level while staying within these boundary conditions. In this paper, the most relevant design features and the commissioning experience will be described. The magnet lattice yielding finite dispersion in the long straight sections, the combined sextupole/quadrupole magnets, the aligning technique, the vacuum system design, the injector choice and the production methods chosen will then be described.